

**School of Engineering and Natural Sciences / Industrial Engineering (English)**

**2022 - 2023 Academic Year**

**TECHNOLOGY, SOCIETY and ETHICS**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
TECHNOLOGY, SOCIETY and ETHICS	IND4210767	Spring Semester	2+0	2	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Prof.Dr. Talip ALP				
<b>Name of Lecturer(s)</b>	Prof.Dr. Talip ALP				
<b>Assistant(s)</b>					
<b>Aim</b>					
<b>Course Content</b>	This course contains; Science Before Science: Mesopotamia and Egypt ,The Land of the Greeks ,The Roads to Baghdad ,Abbasid Baghdad: The House of Wisdom ,'Spiritual Physick' ,From Baghdad to Central Asia ,The Cure of Ignorance ,Fatimid Cairo: The Science of Light ,Ayyubid and Mamluk Cairo: Healing Body and Soul ,Ingenious Mechanical Devices ,Islamic Technology ,Al-Andalus ,On Ethics,On Ethics.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
			1, 14	A, C	
			1, 14	A, C	
			1, 14	A, C	
			1, 14	A, C	
<b>Teaching Methods</b>	1: Lecture, 14: Self-Study				
<b>Assessment Methods</b>	A: Written Exam, C: Homework				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Science Before Science: Mesopotamia and Egypt				
2	The Land of the Greeks				
3	The Roads to Baghdad				
4	'Abbasid Baghdad: The House of Wisdom				
5	'Spiritual Physick'				
6	From Baghdad to Central Asia				
7	The Cure of Ignorance				
8	Fatimid Cairo: The Science of Light				
9	Ayyubid and Mamluk Cairo: Healing Body and Soul				
10	Ingenious Mechanical Devices				
11	Islamic Technology				
12	Al-Andalus				
13	On Ethics				
14	On Ethics				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		30			
General Exam		70			

<b>Resources</b>
John Freely , "Light from the East : How the Science of Medieval Islam Helped to Shape the Western World"